at1110paper_practice_test (v3)

1. Expand the following expression into standard form.

$$(9x + 2)(5x - 7)$$

2. Solve the equation.
$$(7x + 3)(5x - 2) \ = \ 0$$

3. Expand the following expression into standard form.

$$(3x + 7)(3x - 7)$$

4. Expand the following expression into standard form.

$$(4x + 5)^2$$

5. Factor the expression.
$$x^2 - 2x - 48$$

6. Factor the expression.
$$49x^2 - 36$$

7. Solve the equation with factoring by grouping.
$$20x^2 - 15x - 8x + 6 \; = \; 0$$

8. Solve the equation.
$$8x^2 + 9x - 13 \; = \; 3x^2 + 5x - 4$$